

SHIELDS 1-23 FEDERAL
NW SE 23-41N-1W COCONINO CO.

816

(over)

PLUGGING RECORD					
Operator SHIELDS EXPLORATION COMPANY			Address 320 BELLINO DR. PACIFIC PALISADES, CA 90272		
Federal, State, or Indian Lease Number or lessor's name if fee lease. A-10457		Well No. 1-23	Field & Reservoir Wildcat		
Location of Well 2323 FEL & 2063 FSL, Sec. 23, T41N-R1W, G&SRBM				Sec-Twp-Rge or Block & Survey COCONINO	
Application to drill this well was filed in name of SHIELDS EXPLORATION COMPANY		Has this well ever produced oil or gas NO	Character of well at completion (initial production): Oil (bbls/day) _____ Gas (MCF/day) _____		Dry? YES
Date plugged: 2/ 5/90		Total depth 540	Amount well producing when plugged: Oil (bbls/day) _____ Gas (MCF/day) _____		Water (bbls/day) _____
Name of each formation containing oil or gas. Indicate which formation open to wellbore at time of plugging	Fluid content of each formation	Depth interval of each formation		Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement	
Moenkopi (Open to Wellbore)	Dry	0-40		Ran 4+yds 3/8' minus	
Kaibab " " "	Fluid water Top 400'	40-540		filler incl wet sd	
				using trans cmt trk-	
				Filled to 50'. Ran hose	
				& pumped 8sx cmt to GL.	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
7"	58'	—	58'		none
Was well filled with heavy drilling mud, according to regulations?				Indicate deepest formation containing fresh water.	
See data under cementing & as permit in Applic				KAIBAB	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
CHATTERLY RANCH		FREDONIA, ARIZONA		NORTH	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail. SteelPlate: ShieldsFed 1-23, NENENW S23 41N-1W, A-10457, AZ 816					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>President</u> of the <u>Shields Exploration Co</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Date <u>Feb 21, 1990</u> Signature <u>Ray M Shields</u>					
Permit No. 816			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10		

APPLICATION TO PLUG AND ABANDON

FIELD WILDCAT - WHITE SAGE PROSPECT
 OPERATOR SHIELDS EXPLORATION COMPANY ADDRESS 320 BELLINO DRIVE, PAC, PAL, CA 90272
 Federal, State or Indian Lease Number A-10457 WELL NO. 1-23
 or Lessor's Name if Fee Lease
 LOCATION 2323' FEL & 2063' FSL - SEC 23, T41N-R1W

TYPE OF WELL DRY HOLE TOTAL DEPTH 540'
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) N/A
 LAST PRODUCTION TEST OIL N/A (Bbls.) WATER N/A (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON NONE N/A PRODUCING FROM N/A TO _____

1. COMPLETE CASING RECORD.

7" casing cmt'd @ 57' 5"
 Open hole 6½" Hammer Drill with Air from 57' 5" to 540'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK.

WELL SF 1-23 is Planned for ABANDONMENT in accord with USDI-BLM Rules and State of Arizona Oil and Gas Commission Regulations.
 PROPOSED WORK: 1/ Well SF 1-23 will be filled with 3/8" minus Filler from 540' to approximately 60' using transit mix cement truck and approx. 4 yds of the filler mix.

2/ Using small pickup cement truck, plan to cement Well from approx. fillup point, 60', to ground level & annulus.
 3/ Weld ¼" steel plate to top of 7" csg cut to Grd Level.
 Plate reads; SHIELDS FED 1-23 NWNWSE S23 41N 1W AZ 816.

DATE COMMENCING OPERATIONS FEBRUARY 5, 1990 (Subject to weather) Will confirm.
 NAME OF PERSON DOING WORK Shields- Chamberlin ADDRESS KANECO, Kanab, Utah

Signature [Signature]
 PRESIDENT, SHIELDS EXPLORATION COMPANY
 Title
 320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272
 Address
 JANUARY 29, 1990
 Date

Date Approved 2/2/90
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: [Signature]

Permit No. 816

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Plug and Abandon
 File Two Copies

Form No. 9

4/82

Form 9-331
Dec. 1973

RECEIVED

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY D & G CONS. COMM.

DEC 18 1984

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2323' f E1 & 2063' f S1, Sec 23,
AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒
(other) ☐

SUBSEQUENT REPORT OF:

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5. LEASE
A-10457
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal
9. WELL NO.
#1-23
10. FIELD OR WILDCAT NAME
White Sage Prospect
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 23, T41N-R1W G&SRBM
12. COUNTY OR PARISH
Coconino
13. STATE
Arizona
14. API NO.
02-005-20025
15. ELEVATIONS (SHOW OF, KDB, AND WD)
4983'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROPOSAL FOR ABANDONMENT:

The subject Well is proposed for Abandonment in the near future and at such time as weather conditions will permit. Federal and State Regulations will be observed and, when plans can be made, you will be advised in advance of the actual plugging and capping of each well.

As the current abandonment markers are unsightly and not environmentally suitable, it is requested that this well be capped with a suitably inscribed steel plate welded to the top of the existing 7" casing (approximately G.L.). Please advise of your decision in the foregoing proposal.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE _____

(This space for Federal or State office use)

APPROVED BY R.A.Y. TITLE _____ DATE 12/19/84
CONDITIONS OF APPROVAL, IF ANY:

Form 9-331
Dec. 1973

RECEIVED

UNITED STATES FEB 1 1983
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY O & G CONS. COMM.

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2323' fE1 & 2063' f S1, Sec 23,
AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

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REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Update of Operations

SUBSEQUENT REPORT OF:

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5. LEASE

A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shields Federal

9. WELL NO.

#1-23

10. FIELD OR WILDCAT NAME

White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 23, T41N-R1W G&SRBM

12. COUNTY OR PARISH

Coconino

13. STATE

Arizona

14. API NO.

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4983'

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January 15, 1983:

Opened steel plate welded on 7" surface csg. (No prod csg run). No pressure or odor. Ran measuring and sampling device. Found top of fluid, tan water, at approx. 350' (TD 546'). Replaced steel plate. This well was drilled to TD on Sept. 16, 1982. Ref O & G Regs 10/27/82--#221.29, request authorization for 12 month delay (To Sept 16, 1983) in abandonment to continue monitoring as Well had some oil shows below 400'.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE January 27, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY: _____

*See Instructions on Reverse Side

816

Form 9-331
Dec. 1973

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SEP 29 1982
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
O & G CONS. COMM.

Budget Bureau No. 42-R1424

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

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AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

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REQUEST FOR APPROVAL TO:

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REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Update ☐

SUBSEQUENT REPORT OF:

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5. LEASE

A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shields Federal

9. WELL NO.

#1-23

10. FIELD OR WILDCAT NAME

White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 23, T41N-R1W G&SRBM

12. COUNTY OR PARISH

Coconino

13. STATE

Arizona

14. API NO.

02-005-20025

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4983'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded September 14, 1982. Jim Williams Well Drilling, Skull Valley, Arizona. Drilled 8 5/8" hole to 57'5" (Top Timpoweap at 54'). Ran and cemented 7" casing. Drilled ahead with 6 1/2" hammer drill and air to TD 550' in White Rim SS. Logged alternating beds of fine grained, oil-saturated dolomite, black shale, grey siltstone and oil-stained anhydrite from below 400' to 540'. No free oil in well bore. Ran small metal container to bottom on September 20. No oil or water recovered. Set plate on casing. Will continue to monitor well.

18. I hereby certify that the foregoing is true and correct

SIGNED Raymond Shields TITLE President DATE September 24, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

816
*See Instructions on Reverse Side

Form 9-331
Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

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REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Prep to Spud

SUBSEQUENT REPORT OF:

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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The SF #1-23 is scheduled for drilling on September 13, 1982.
Estimated TD - 500'. Contractor: Jim Williams Well Drilling,
Skull Valley, Arizona.

18. I hereby certify that the foregoing is true and correct

SIGNED James Shields TITLE President DATE September 9, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form Approved.
Budget Bureau No. 42-R1424

5. LEASE
A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
RECEIVED

7. UNIT AGREEMENT NAME
SEP 13 1982

8. FARM OR LEASE NAME
Shields Federal O & G CONS. COMM.

9. WELL NO.
#1-23

10. FIELD OR WILDCAT NAME
White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 23, T41N-R1W G&SRBM

12. COUNTY OR PARISH
Coconino

13. STATE
Arizona

14. API NO.
02-005-20025

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4983'

816

Form 9-331
Dec. 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

AUG 27 1982

O & G CONS. COMM.

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
SHIELDS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

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AT TOP PROD. INTERVAL: same T41N-R1W
AT TOTAL DEPTH: same

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REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Prep to Spud ☐

SUBSEQUENT REPORT OF:

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5. LEASE

A-10457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Shields Federal

9. WELL NO.

#1-23

10. FIELD OR WILDCAT NAME

White Sage Prospect

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 24, T41N-R1W, G&SRBM

12. COUNTY OR PARISH

Coconino

13. STATE

Arizona

14. API NO.

02-005-20025

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4983'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Shields Federal #1-23 is scheduled for drilling on or about Monday, September 6, 1982. Jim Williams will be Drilling Contractor. Jay Shields can be reached after August 27, at Parry's Lodge, Kanab, Utah, 801/644-2601

18. I hereby certify that the foregoing is true and correct

SIGNED

Jay Shields

TITLE President

DATE August 24, 1982

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

RECEIVED
Form 9-331 C
(Rev. 1962)
AUG 4 1982

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
O & G CONS. COMM. GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER Wildcat ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

3. NAME OF OPERATOR

SHIELDS EXPLORATION COMPANY

4. ADDRESS OF OPERATOR

320 Bellino Drive
Pacific Palisades, CA 90272

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

2323' from East line and 2063' from South line of
At proposed prod. zone Section 23, T41N-R1W, G&SRBM
Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 miles East of Fredonia, Arizona

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit loc. if any) 5110' South to LL 330' to DUL

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
4620' East to SF 5-24

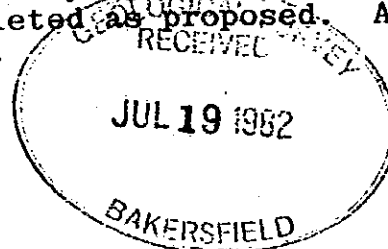
9. ELEVATIONS (Show whether DF, RT, GR, etc.)

4983 GR

10. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7"	14#	40'	15sx (to surface)
6 1/2"	4 1/2"	10.5#	400 - 480'	75sx (est.)

Drilling will be done with air. A 10 1/2" hammer drill will be used to 40' where 7" casing will be run and cemented. A 6 1/2" hammer drill will then be used to TD. Open hole testing is planned with continuous monitoring of the returns at the blooie line. While there was no observed pressure in the SF #1-24 or the SF #5-24 Wells during drilling, there will be a stand-by water supply available and a 4" line carrying returns away from the rig site. If indicated, well will be completed as proposed. All State and Federal Regulations will be observed.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Raymond Shields TITLE President DATE July 15, 1982

(This space for Federal or State office use)

PERMIT NO. 816 APPROVAL DATE _____

APPROVED BY J. P. Wagner TITLE Dist. Supervisor DATE 7-30-82

CONDITIONS OF APPROVAL, IF ANY: J. P. Wagner

cc: DMR, O & G, Western Region

Oil & Gas Conservation Commission
Phoenix, Arizona

MM SEE ATTACHED CONDITIONS AND REQUIREMENTS
J. Stout, Ely, Nevada

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE:

SERIAL No.: A 10457 and A 13137

and hereby designates

NAME: SHIELDS EXPLORATION COMPANY
ADDRESS: 320 BELLINO DRIVE, PACIFIC PALISADES, CA 90272

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

A 10457 T41N- R1W
Sec. 23, E $\frac{1}{2}$; Sec. 24, All; Sec. 25, All; Sec. 26, E $\frac{1}{2}$.
T41N - R1E
Sec. 19, Lots 1,2,3,4 and E $\frac{1}{2}$ W $\frac{1}{2}$; Sec. 30, Lots 1,2,3,4 and E $\frac{1}{2}$ W $\frac{1}{2}$;
Containing 2558.12 acres, Coconino County, Arizona

A13137 T41N - R1W
Sec. 26, NW $\frac{1}{4}$; Sec. 27, NE $\frac{1}{4}$; Sec. 22, E $\frac{1}{2}$
Containing 640 acres, Coconino County, Arizona

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

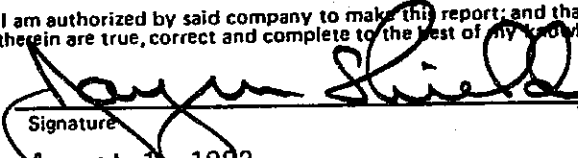
The lessee agrees promptly to notify the supervisor of any change in the designated operator.

SHIELDS 1981 PROGRAM
by Shields Exploration Company,
General Partner

by Jay M. Shields, President
(Signature of lessee)

July 15, 1982
(Date)

320 Bellino Drive, Pacific Palisades, CA 90272
(Address)

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER			
APPLICATION TO DRILL <input checked="" type="checkbox"/>		RE-ENTER OLD WELL <input type="checkbox"/>	
		O & G CONS. COMM.	
RECEIVED AUG 5 1982			
SHIELDS EXPLORATION COMPANY			
NAME OF COMPANY OR OPERATOR			
320 BELLINO DRIVE		PACIFIC PALISADES,	CALIFORNIA 90272
Address		City	State
JIM WILLIAMS WELL DRILLING			
Drilling Contractor			
P. O. Box 102		SKULL VALLEY	ARIZONA 86338
Address			
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number, or if fee lease, name of lessor		Well number	Elevation (ground)
Federal #A-10457		Shields Federal 1-23	4983'
Nearest distance from proposed location to property or lease line:		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
5110 S feet		4620' E feet	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2558.12		seven	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
Well location (give footage from section lines)		Section—township—range or block and survey	Dedication (Comply with Rule 105)
2323' from E & 2063' from S lines		23 41N 1W G&SRBM NW SE	80 acres (see plat)
Field and reservoir (if wildcat, so state)		County	
Wildcat		Coconino	
Distance in miles, and direction from nearest town or post office			
11 Miles East of Fredonia, Arizona			
Proposed depth:	Rotary or cable tools	Approx. date work will start	
500'	Rotary	August 15, 1982	
Bond Status	Organization Report	Filing Fee of \$25.00	
On file	On file Or attached X	Attached X	
Amount \$25,000			
Remarks:			
Plan to drill to approximately 500' using 6½" Hammer Drill with Air to TD. Open hole testing is planned with continuous monitoring of the returns at the bloopie line.			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the _____ President of the _____			
SHIELDS EXPLORATION COMPANY (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
 Signature August 1, 1982 Date			
Permit Number: 816		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies Form No. 3	
Approval Date: 8-5-82			
Approved By: R. G. Yama			
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.			

(Complete Reverse Side)

- | | | | | | | | |
|-------|------------------------------------|------------------|-------------------------------------|----|----|---------|----|
| Owner | SHIELDS 1981 PROGRAM | Land Description | NW | NW | SE | Section | 23 |
| | (SHIELDS EXPLORATION CO.-OPERATOR) | | T41N - R1W Coconino County, Arizona | | | | |

PROPOSED CASING PROGRAM							
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depth	Sacks Cement	Type
7"	15#	K-55	Surf	40'	40'	15	Class A
4½"	10.5#	K-55	Surf	450'±	TD to Surf	75	Halliburton
(if required for production)							



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: SHIELDS EXPLORATION COMPANY
(OPERATOR)
to drill a well to be known as
1-23 FEDERAL
(WELL NAME)
located 2323' FROM EAST LINE & 2063' FROM SOUTH LINE (NW SE)
Section 23 Township 41NORTH Range 1 WEST, COCONINO County, Arizona.
The N/2 OF SE/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 5th day of August, 19 82.

OIL AND GAS CONSERVATION COMMISSION

By R. G. [Signature]

EXECUTIVE SECRETARY

PERMIT

Nº 816

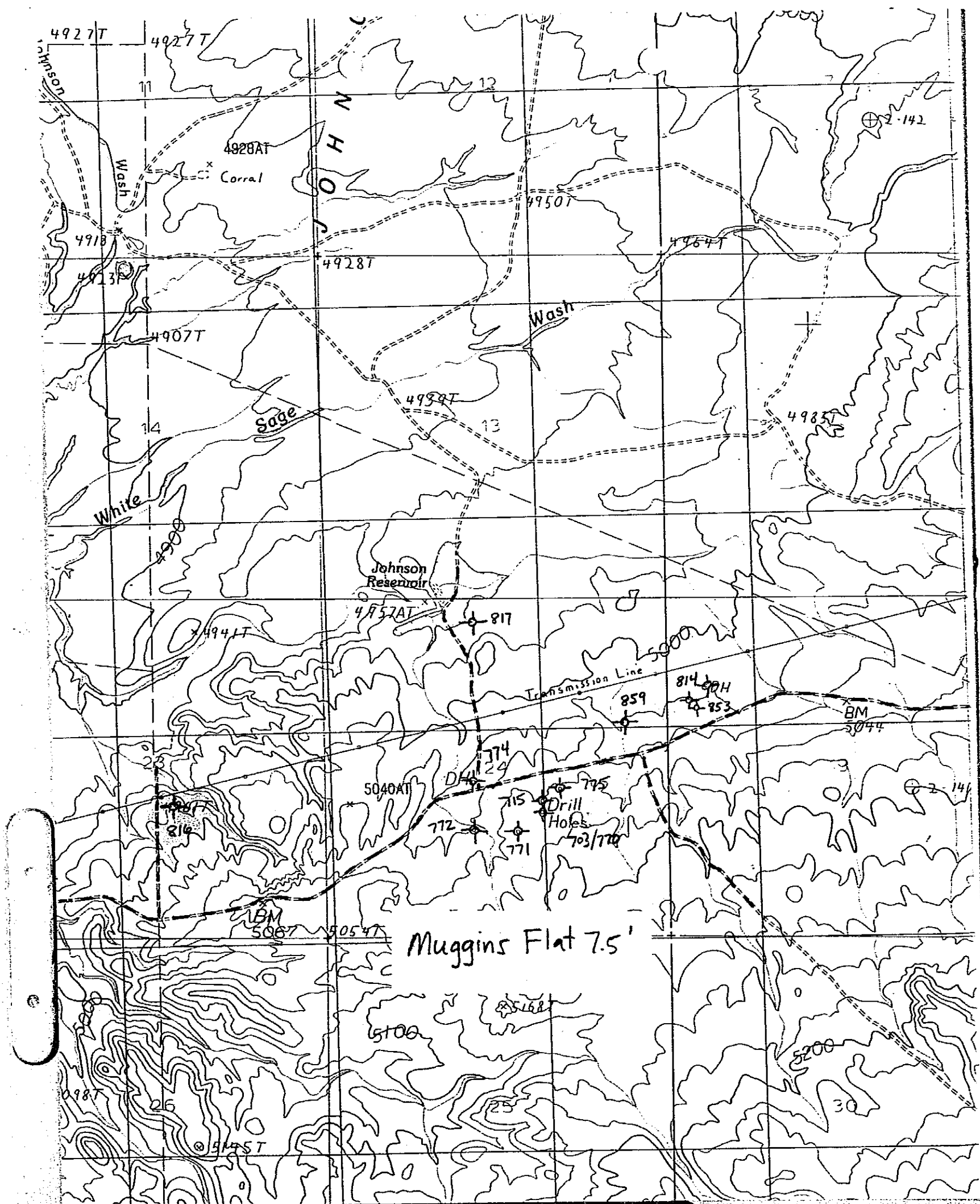
RECEIPT NO. 2294
API NO. 02-005-20025

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE



SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

Re: Plugging Records
Wells SF 1-19A, 2-19,
6A-24, 11-24, & 1-23

P/N 8/6

Mr. Dan Brennan, Secretary
Arizona Oil and Gas Conservation Commission
5150 North 16th Street - Suite B-141
Phoenix, Arizona 85016

Dear Mr. Brennan:

Attached are the Records for the Wells which we have plugged
on February 5 & 6. 1990

Fortunately, there was a window in the weather during the
period from our arrival on Feb. 3rd to departure on the 8th.
Sorry that you or Mr. Rauzi were unable to be there for the
proceedings. Mr. Haas and Ms. Roberts of the BLM came up and
observed the procedures, Mr. Haas for the 3 days and Ms Roberts
during the plugging of the three open holes.

There were no problems. The cement transit trucks arrived on
schedule and the wet sand and gravel went downhole very nicely.
It's a good method especially in shallow and fractured rock.
The cement plugs worked fine, being handled by an expert water
well driller with a pick-up truck, hose and pump.

The cased holes, 2-19 & 6A-24, presented no problems especially
with Dowell-Schlumberger on hand. Expensive but got job done.
Used a gismo built by our welder to block the hole for surface
plug on 2-19. Plate attached to a heavy wire did the job.
On 6A, since Dowell had brought plenty of cement, I decided to
cement in the whole works so we gave the well 54 sax from TD at
491' to the surface.

Ms. Roberts from St. George examined all well sites and we have
that end of the job in hand. Will seed later in the spring.

Sincerely,

Ray M. Shields
SHIELDS EXPLORATION COMPANY



Oil and Gas Conservation Commission
STATE OF ARIZONA

5150 N. 16th STREET, SUITE B-141
PHOENIX, ARIZONA 85016
PHONE: (602) 255-5161

February 7, 1990

Jay M. Shields
Shields Exploration
320 Bellino Drive
Pacific Palisades, CA 90272

RE: Shields Federal No. 1-19A, State Permit No. 814
Shields Federal No. 1-23, State Permit No. 816
Shields Federal No. 11-24, State Permit No. 817
Shields Federal No. 6A-24, State Permit No. 775

Dear Mr. Shields:

Enclosed are the approved Application to Plug and
Abandon for the referenced wells.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Specialist

copies to our files 816, 817, 775, 853, 814, 859

SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

Mr. Dan Brennan
Secretary, Arizona Oil and Gas Conservation Comm.
3110 North 19th Avenue Suite 190
Phoenix, Arizona 85015

Dear Mr. Brennan:

In reply to Rudy Ybarra's letter of July 22nd and with reference to recent telephone conversations with you and Mr. Ybarra concerning the abandonment of additional shallow Wells drilled by Shields Exploration Company on the White Sage Prospect, we have checked our records and enclose a Well Location Map showing the status of each Well. Listed below are the Wells and our plans for the shallow ones that have not yet been abandoned.

Our records indicate that the Travis Federal 1-24 and the Shields Federal #1-24, #2-24, #4-24, #5-24 and the #1-19 are P&A. The record does not confirm the status of the #1-23 and it will be checked on site.

The Shields Federal #11-24 and #6A-24 have been kept in the Temporary Abandonment category pending final analysis and decisions regarding the results of the deepening of the #1-19A Well (Feb 1988). We will now plan to abandon the #11-24 and the 6A-24 and, if not already officially abandoned, the #1-23 at such time as we next commence operations on the White Sage Lease.

It is most important to our present and future plans to maintain the Shields Federal #2-19 and #11-24 Deeper Tests in their current shut-in status.

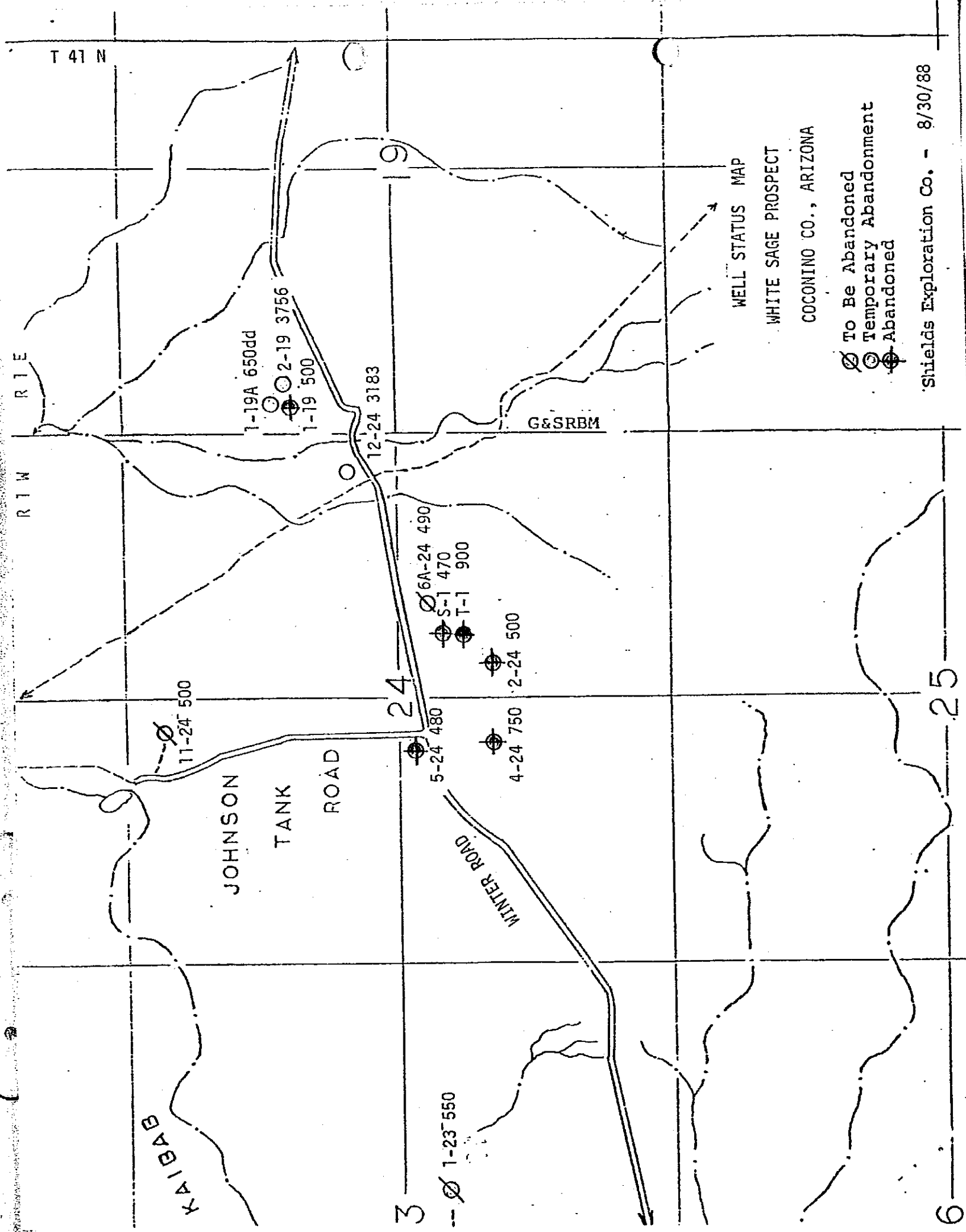
I would like to take this opportunity to thank you, Mr. Ybarra and the Oil and Gas Commission for the help and cooperation provided down through the years. We look forward to a successful conclusion recognizing that the finding of commercial oil on the Frontier is important to us all.

Sincerely,

Jay M. Shields

Jay M. Shields
Enc: Well Location Map - White Sage Prospect

<i>Wells</i>	<i>Remarks</i>	
Shields 1-24	715	2-19 853
Travis 1-24	703	12-24 -859
Shields 2-24	771	
" 4-24	772	
" 5-24	774	
" 1-19	858	
" 1-23	816	
" 11-24	817	
6A-24	775	



SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

123 816
RECEIVED

OCT 18 1983

O & G CONS. COMM.

October 14, 1983

Mr. Rudy Ybarra
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Rudy:

I understand from Bob West that you and AK were up in Fredonia a short while ago just after we left. Sorry to have missed you and sorry to hear that the Brooks Well didn't find anything.

We were up at our lease primarily to bail the shallow wells. Results are attached. We will now have to bite the bullet and go about abandonment procedures. I had hoped that we would see a little oil after fracing. Would you please send me a batch of the necessary abandonment forms?

The shallow well data has also been sent on to the BLM in St. George together with water samples of the #1-23, #11-24 and #1-19A wells. The other wells were frac'd and fluid is still strongly acid.

Did you see the Article in the September Issue of the Oil and Gas Investor? Sure a lot of smoke with no fire. Maybe 1984 or ?

Very best to you both. Will keep you advised and hold kind thoughts.

Sincerely,

Jay M. Shields
Jay M. Shields
JMS/mmnr

Enclosures: Bailing Redord
cc Oil & Gas Investor Magazine article

Shiele -

I sent the requested forms on 10/26/83

SHIELDS EXPLORATION CO.

320 BELLINO DRIVE
PACIFIC PALISADES, CA 90272
PHONE (213) 459-2490

RECEIVED

OCT 18 1983

O & G CONS. COMM.

October 14, 1983

INTERIM REPORT
WHITE SAGE PROSPECT - COCONINO COUNTY, AZ

Existing shallow wells, all drilled by Air-Hammer, were bailed on September 26, 1983. Results were as follows:

- SF #2-24 - Spud 11/11/81. TD 500'. PBD 480'. Cored 454'-472'. Rec 18'. Log DIL - CDL. Cmdt 4½" csg @ 430': Acid HCl + N₂. Valve opened. Slight pressure - acid odor. Recovered bits grey ss and grey mud. No fluid.
- SF #4-24 - Spud 11/19/81. TD 750'. PBD 475'. Cored 445' - 460' and 731' - 750'. Rec 34'. Log DIL - CBL. Cmdt 4½" csg @ 426'. 4½" Bull Plug opened. Weak blow. Odd odor, slightly acidic. Recovered small amount blk sludge. No fluid.
- SF #5-24 - Spud 11/4/81. TD 480'. Cored 453' - 462'. Rec 9'. Log DIL - CDL. Cmdt 4½" csg @ 434'. Acid HCl + N₂. Valve was open. No pressure. S and acidic odor. Recovered cloudy, acidic water. Approx 10' water in hole.
- SF #6A-24 - Spud 12/1/81. TD 490'. Cored 465' - 473'. Rec 8". Log DIL - CDL. Cmdt 4½" csg @ 434'. Acid HCl + N₂. Valve was open. No pressure. No odor. Recovered clear, acidic water. Top water 400' + or -.
- SF #11-24 - Spud 8/28/82. TD 540'. Cmdt 7" csg @ 40'. Hole open to TD. Sampled. Not logged. Plate - no valve. No pressure. No odor. Recovered several cans light tan water. Slight S odor. Top water 450' + or -.
- SF #1-23 - Spud 9/14/82. TD 550'. Cmdt 7" csg @ 55'. Hole open to TD. Sampled. Not logged. Plate. No valve. No odor. Top water @ approx 400'. Recovered lite tan water, earthy odor.
- SF #1-19 - Spud 8/30/82. Td 420'. Drill stuck. Abandoned hole. Sampled. Not logged. Marked with 4' = 4½" pipe. P & A 9/13/82.
- SF #1-19A - Spud 9/7/82. TD 500'. Cmdt 7" csg @ 40'. Hole open 100'N 30°W to TD. Sampled. Not logged. Plate. No valve. Small Offset to amt. fluid @ TD. Top approx. 490'. Recovered lite SF #1-19. greyish water with oily odor.
- SF #1-24 - TD 482'. P&A 12/30/81.
- TF #1-24 - TD 900'. P&A 9/13/82.

August 6, 1982

Mr. J. M. Shields
Shields Exploration Co.
320 Bellino Dr.
Pacific Palisades, CA 90272

Re: Permit 814, Shields 1-19 Federal
Permit 815, Shields 1-22 Federal
✓ Permit 816, Shields 1-23 Federal
Permit 817, Shields 11-24 Federal

Dear Mr. Shields:

Enclosed are approved application for permit to drill, permit,
and receipt for each of the above referenced wells.

If we can be of further service, please advise.

Sincerely,

R. A. Ybarra
Enforcement Director

/os
Enc.

SHIELDS EXPLORATION COMPANY
320 Bellino Drive
Pacific Palisades, California 90272
(213) 459-2490

RECEIVED

AUG 5 1982

D & G CONS. COMM.

August 2, 1982

Mr. A. K. Doss, Secretary
Arizona Oil and Gas Conservation Commission
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Re: SHIELDS FEDERAL #1-19, T41N-R1E, Coconino Co., AZ
SHIELDS FEDERAL #1-23, T41N-R1W, Coconino Co., AZ
SHIELDS FEDERAL #1-22, T41N-R1W, Coconino Co., AZ
SHIELDS FEDERAL #11-24, T41N-R1W, Coconino Co., AZ

Dear Mr. Doss:

I would like to make formal requests for four (4) Drilling Permits for four (4) wildcat wells, the Shields Federal #1-19 to be drilled for oil in Section 19, T41N-R1E, and the Shields Federal #1-22 in Section 22, the Shields Federal #1-23 in Section 23, and the Shields Federal #11-24 in Section 24 - all in T41N-R1W, all in Coconino County, AZ.

In accordance with requirements of the Commission, I enclose the following forms and documents:

1. Shields Federal #1-19, #1-22, #1-23 and #11-24
 - a) Application for Permit to Drill including Survey Plat of Location by Phil Drake, R.L.S., Utah for the Shields Federal #1-19, #1-22, #1-23 and #11-24
 - b) Designation of Operator - SF #1-19, #1-22, #1-23, #11-24
 - c) Organization Reports - SF #1-19, #1-22, #1-23, #11-24
 - d) 4 Checks for filing fee (\$25.00 each) - SF#1-19, #1-22, #1-23, #11-24

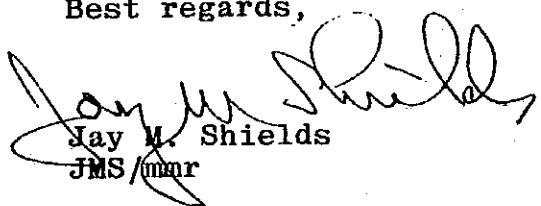
On file in your office is a Performance Bond for \$25,000.

All of the above applications have been filed with John Wagner, USGS, Bakersfield, CA. I hope to get underway late August. I will be going down dip on these wells looking for permeability. The chances are excellent. How about coming up again when we drill through the zone?

I hope the well up Whittman way came through. Let me know if I can help.

Thanks for your good help and cooperation.

Best regards,


Jay M. Shields
JMS/mm

Enclosures: For Shields Federal #1-19, #1-22, #1-23, #11-24

- cc (2 each) Application for Permit to Drill and Survey Plats
- cc (2 each) Designation of Operator
- cc (1 each) Organization Report
- Check for \$25.00 Filing Fee (1 each)

Total Enclosures: 32 (7 for each wellsite plus 4 checks)

SHIELDS 1981 PROGRAM
PACIFIC PALISADES, CA

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

DATE	DESCRIPTION	AMOUNT
8/1/82	Ck #303: Arizona Oil & Gas Conservation Commission/ Filing Fee for SHields Federal #1-23 P/N 816 2294	\$25.00